

Notice of Allowability

Application No.

10/027,562

Examiner

Uyen T. Le

Applicant(s)

CHADWICK, HENRY DEXTER

Art Unit

2163

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to Applicant's amendment filed 24 May 2006 and telephone interviews on 1 and 2 August 2006.

2. ☒ The allowed claim(s) is/are 1,3,9,10,11-14,17,1925-30,33,35,41-46,49-57 renumbered as 1-33.

3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a) ☐ All b) ☐ Some* c) ☐ None of the:

1. ☐ Certified copies of the priority documents have been received.

2. ☐ Certified copies of the priority documents have been received in Application No. _____.

3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.

5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.

(a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached

1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.

(b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)

2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____

4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material

5. ☐ Notice of Informal Patent Application (PTO-152)

6. ☒ Interview Summary (PTO-413),
Paper No./Mail Date _____.

7. ☒ Examiner's Amendment/Comment

8. ☒ Examiner's Statement of Reasons for Allowance

9. ☐ Other _____.

DETAILED ACTION

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with David W. Victor (Reg. No. 39,867) on 2 August 2006.

The application has been amended as follows:

The title has been amended to read as follows:

METHOD, SYSTEM AND PROGRAM PRODUCT FOR EXTRACTING
ESSENCE FROM A MULTIMEDIA FILE RECEIVED IN A FIRST FORMAT, CREATING
A METADATA FILE IN A SECOND FILE FORMAT AND USING A UNIQUE
IDENTIFIER ASSIGNED TO THE ESSENCE TO ACCESS THE ESSENCE AND
METADATA FILE

Claims 1, 17, 33, 52, 55-57 have been amended as follows:

1. (Currently Amended) A method for storing data in a data store, comprising:
receiving a multimedia file in a first file format including essence, metadata
objects providing information on the essence ~~in a first file format~~, and a unique identifier
assigned to the essence;
extracting the essence from the multimedia file;
storing the essence in the data store;

generating a metadata file in a second file format by performing for each received metadata ~~[[data]]~~ object in the received multimedia file, ~~performing~~:

(i) determining whether the metadata object includes a label or attribute of a label;

(ii) adding a tagged element to ~~[[a]]~~ the metadata file in a second file format corresponding to the label ~~metadata~~ if the metadata object includes one label; and

(iii) adding a tagged attribute to the metadata file if the metadata object includes one attribute for one label, wherein the tagged attribute indicates an attribute value for one tagged element corresponding to the label for which the value is provided; ~~[[and]]~~

storing the metadata file in the data store; and

using the unique identifier to access the essence and the metadata file in the data store.

17. (Currently Amended) A system for storing data, comprising:
a data store;

means for receiving a multimedia file in a first file format including essence, metadata objects ~~in a first file format~~ providing information on the essence, and a unique identifier assigned to the essence;

means for extracting the essence from the multimedia file;

means for storing the essence in the data store;

means for generating a metadata file in a second file format by performing for ~~extracting metadata from~~ each metadata object in the multimedia file ~~by performing for each metadata object in the multimedia file~~:

(i) determining whether the metadata object includes a label or attribute of a label;

(ii) adding a tagged element to ~~[[a]]~~ the metadata file ~~in a second file format~~ corresponding to the label ~~metadata~~ if the metadata object includes one label; and

(iii) adding a tagged attribute to the metadata file if the metadata object includes one attribute for one label, wherein the tagged attribute indicates an attribute value for one tagged element corresponding to the label for which the value is provided; ~~[[and]]~~

means for storing the metadata file in the data store; and
means for using the unique identifier to access the essence and the metadata file in the data store.

33. (Currently Amended) An article of manufacture including code for storing data in a data store, wherein the code is capable of causing operations to be performed comprising:

receiving a multimedia file in a first file format including essence, metadata objects ~~in a first file format~~ providing information on the essence, and a unique identifier assigned to the essence;

extracting the essence from the multimedia file;

storing the essence in the data store;

generating a metadata file in a second file format by performing for each received metadata ~~[[data]]~~ object in the received multimedia file, ~~performing~~:

(i) determining whether the metadata object includes a label or attribute of a label;

(ii) adding a tagged element to ~~[[a]]~~ the metadata file ~~in a second file format~~ corresponding to the label ~~metadata~~ if the metadata object includes one label; and

(iii) adding a tagged attribute to the metadata file if the metadata object includes one attribute for one label, wherein the tagged attribute indicates an

attribute value for one tagged element corresponding to the label for which the value is provided; ~~[[and]]~~
storing the metadata file in the data store; and
using the unique identifier to access the essence and the metadata file in the data store.

52. (Currently Amended) The system of claim ~~[[17]]~~ 51, wherein determining whether the metadata object indicates a label or attribute of a label comprises:

processing the metadata dictionary to determine whether the universal label in the metadata object comprises a node having values defined by leaf universal labels or the leaf of one node, wherein universal labels comprising nodes map to tagged elements and universal labels comprising leafs map to tagged attributes for one tagged element.

55. (Currently Amended) The method of claim 1, further comprising:

reconstructing a multimedia file in the first file format including the essence stored in the data store and a metadata object ~~in the first file format~~ having information on the essence, wherein the metadata object is reconstructed from the metadata file having information on the essence.

56. (Currently Amended) The system of claim 17, further comprising:

means for reconstructing a multimedia file in the first file format including the essence stored in the data store and a metadata object ~~in the first file format~~ having information on the essence, wherein the metadata object is reconstructed from the metadata file having information on the essence.

57. (Currently Amended) The article of manufacture of claim 33, wherein the operations further comprise:

reconstructing a multimedia file in the first file format including the essence stored in the data store and a metadata object ~~in the first file format~~ having information on the essence, wherein the metadata object is reconstructed from the metadata file having information on the essence.

Claims 1, 3, 9, 10-14, 17, 19, 25-30, 33, 35, 41-46, 49-57 renumbered as 1-33 are allowed.

The following is an examiner's statement of reasons for allowance: applicant's invention generates a metadata file in a second file format from the information of each metadata object in a received multimedia file in a first format, the multimedia file including essence and metadata objects providing information on the essence. The invention uses a unique identifier assigned to the essence of the multimedia file to access the essence and the metadata file stored in a data store. This distinction is present in all independent claims 1, 17 and 33.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Sanz et al, "Gathering Metadata from Web-Based Repositories of Historical Publications", Database and Expert Systems Applications, 1998, Proceedings, Ninth International Workshop on, 26-28 August 1998, pages 473-478.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Uyen T. Le whose telephone number is 571-272-4021. The examiner can normally be reached on M-F 9:00-5:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Don Wong can be reached on 571-272-1834. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

2 August 2006



UYEN LE
PRIMARY EXAMINER